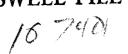
US ERA ARCHIVE DOCUMENT

#### CASWELL FILE





#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

#### OPP OFFICIAL RECORD **HEALTH EFFECTS DIVISION SCIENTIFIC DATA REVIEWS EPA SERIES 361**

**MEMORANDUM** 

OFFICE OF PESTICIDES AND TOXIC SUBSTANCES

SUBJECT:

Dow Corning 5700. Request for Additional New Uses for Dow Corning 5700 on Air Filters and Polyurethane

Foam.

EPA Reg.No. 34292-1

TOX Chem. No

FROM:

Henry Spencer, Ph.D.

Section VII, Toxicology Branch

Hazard Evaluation Division (TS-769)

TO:

John Lee, Product Manager #31

Disinfectants Branch

Registration Division (TS-767)

THRU:

Albin B. Kocialski, Ph.D.

Section Head, Section VII

Toxicology Branch/HED (TS-769)

ABIC 15/85
WELL WES 5/16/85

#### Comments:

- Toxicology Branch does not object to the requested registration.
- No further toxicity data are required for the requested uses.
- Copies of the proposed labels are attached.

Attachment



# new product information

ANTIMICROBIAL AGENT FOR AIR FILTERS TO BE USED IN FURNACES, AIR CONDITIONERS, AIR PURIFICATION DEVICES, AUTOMOBILES, RECIRCULATING AIR HANDLING SYSTEMS

## ACTERIOSTATIC AND FUNGISTATIC CTIVITY ON TREATED SURFACES

OW CORNING® 5700 Antimicrobial gent treated surfaces are preerved by the bacteriostatic and ungistatic action imparted to the he article's surfaces. Microbial ontamination of polyurethane oam may result in odor problems, iscoloration, and deterioration. reatment of DOW CORNING® 5700 ntimicrobial Agent on the urface of air filters nhibits the growth of microrganisms to aid in the control f these deleterious effects.

OW CORNING® 5700 Antimicrobial gent forms a durable wash esistant coating on a variety f materials.

ntimicrobial action is exhibited a contact in the presence of pisture.

#### DOW CORNING® 5700 ANTIMICROBIAL AGENT

For Protection of Air Filters

EPA No. 34292-1 EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....42 percent active solids in methanol.

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, algistatic activity on surfaces, durable attachment to a wide variety of surfaces, compatible, efficient, easily diluted in water.

Primary Use....Provide preservation for many types of articles against a wide variety of bacteria, fungi, and yeasts.

Air Filters....Treated with DOW CORNING® 5700 Antimicrobial Agent: (1) for lasting freshness and to prevent deterioration and discoloration caused by fungi and bacteria; (2) to inhibit the growth of bacteria and mildew to prolong the life of the article; (3) to provide a durable, non-leachable antimicrobial treatmen (4) to provide hygienic freshness; (5) to provide a treatment that is not destroyed by repeated... cleaning; (6) to resist the development of bacterial and fungal odors; (7) to retain its freshness by resisting growth of odercausing bacteria and mildew (fungus); \*\*\*\* (8) for chemical protection to resist voors and (9) as an exclusive protectime treatment that resists mildew and bacteria growth plus being odor resistant.

\*Bacteriostatic, fungistatic and algistatic.



# new product information

ANTIMICROBIAL AGENT FOR POLYURETHANE FOAM TO BE USED.
IN HOUSEHOLD SPONGE AND MOPS; AIR FILTERS FOR FURNACES, AIR CONDITIONERS,
AIR PURIFICATION DEVICES, AUTOMOBILES, RECIRCULATING AIR HANDLING SYSTEMS

## BACTERIOSTATIC AND FUNGISTATIC ACTIVITY ON TREATED SURFACES

DOW CORNING® 5700 Antimicrobial Agent treated surfaces are preserved by the bacteriostatic and fungistatic action imparted to the the article's surfaces. Microbial contamination of polyurethane foam may result in odor problems, discoloration, and deterioration. Treatment of DOW CORNING® 5700 Antimicrobial Agent on the surface of polyurethane foam inhibits the growth of microproganisms to aid in the control of these deleterious effects.

DOW CORNING® 5700 Antimicrobial agent forms a durable wash sesistant coating on a variety of materials.

Intimicrobial action is exhibited on contact in the presence of noisture.

### DOW CORNING® 5700 ANTIMICROBIAL AGENT

For Protection of Polyurethane Foam

EPA No. 34292-1 EPA Est. 34292-MI-01

Type....Brand of Silicone Quaternary Amine

Physical Form....42 percent active solids in methanol.

Typical Benefits....Broad spectrum bacteriostatic, fungistatic, algistatic activity on surfaces, durable attachment to a wide variety of surfaces, compatible, efficient, easily diluted in water.

Primary Use....Provide preservation for many types of articles against a wide variety of bacteria, fungi, and yeasts.

Polyurethane Foam....Treated with DOW CORNING 5700 Antimicrobial Agent: (1) for lasting freshness and to prevent deterioration and discoloration caused by fungi and bacteria (2) to inhibit the growth of bacteria and mildew to prolong the life of the article; (3) to provide a durable, non-leachable antimicrobial treatment; (4) to provide hygienic freshness; (5) to provide a treatment that is not destroyed by repeated cleaning; (6) to resist the development of bacterial and fungal odors; (73 to retain its freshness by resisting growth of odorcausing bacteria and mildew (fungus); (8) for chemical protection to resist offer and (9) as an exclusive protectYve treatmen that resists mildew and bacteria growthere plus being odor resistant.

\*Bacterlostatic, fungistatic and algistatic.



## 046799

Chemical:

1-Octadecanaminium, N,N-dimethyl-N-(3-(t

PC Code:

107401

**HED File Code** 

13000 Tox Reviews

Memo Date:

05/15/85

File ID:

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**Accession Number:** 

412-03-0116

HED Records Reference Center 06/30/2003